

Notice of Allowability	Application No.	Applicant(s)	
	10/085,302	HEISMANN ET AL.	
	Examiner Tuan T. Dinh	Art Unit 2841	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 01/24/05.
2. The allowed claim(s) is/are 2-16 (renumber claims are 1-15).
3. The drawings filed on 28 February 2002 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some* c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of
Paper No./Mail Date _____.
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____.
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

DETAILED ACTION

1. The request filed on 01/24/05 for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on parent Application No. 10/085,302 is acceptable and a RCE has been established. An action on the RCE follows.
2. Claims 3, 7-11, and 15 are previously withdrawn from consideration as a result of a restriction requirement, claims 3, 7-11, and 15 are now subject to being rejoined. Claims 2-16 are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Allowable Subject Matter

3. Claims 2-16 are allowed (renumber claims are 1-15). *✓*

The following is an examiner's statement of reasons for allowance: the references cited disclose a printed circuit board arrangement having at least first and second fixed portions, and a movable flexible layer arrangement, the movable flexible layer arrangement having at least one electrical conductive layer with multitude of conductive tracks and electrical isolating layers, an opening passing through a printed circuit board, and some other claimed elements, for example, Cohn et al. (U.S. Patent 6,465,882) discloses a multilayer substrate (10) flexible portion extended from first and second fixed portion and a cavity (50) as shown in figures 5-6, the first fixed portion having a printed circuit board, PCB, (46, 32, and 22) and a component (75) formed on the surface of the PCB, Desai ('639) and Hatkewitz et al. ('134) both disclose the flex-rigid structure, Haas ('297) discloses a flexible tear resistant printed circuits comprising a movable flexible layer arrangement (12) extending printed circuits (11). However,

they do not disclose or render obvious in combination of the PCB arrangement having the opening passing through the PCB and extending as far as the conductor tracks being in the region of the first fixed portion to enable contacting the conductive tracks with the component.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Tuan Dinh
March 19, 2005.



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